

FIG. 1

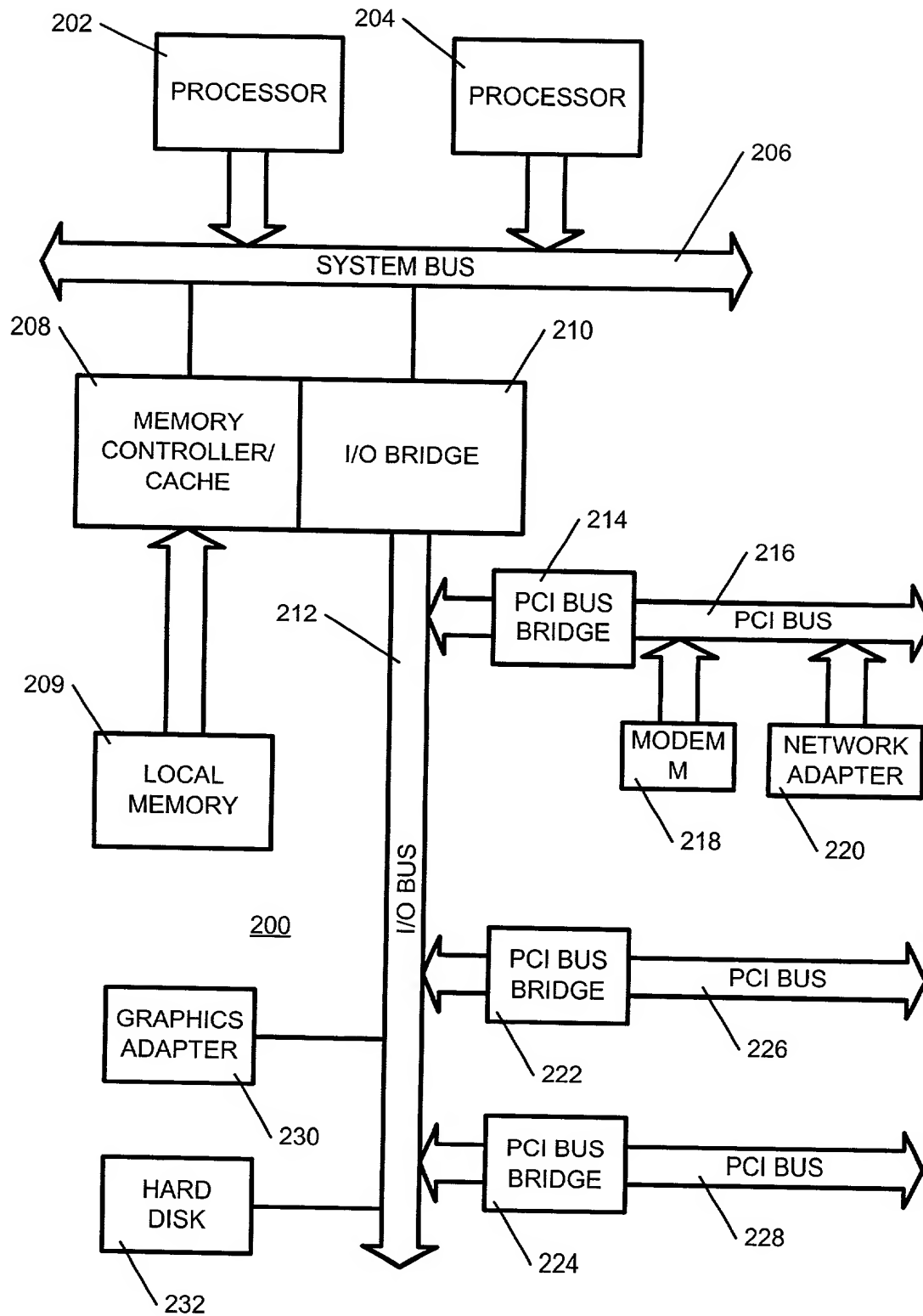


FIG. 2

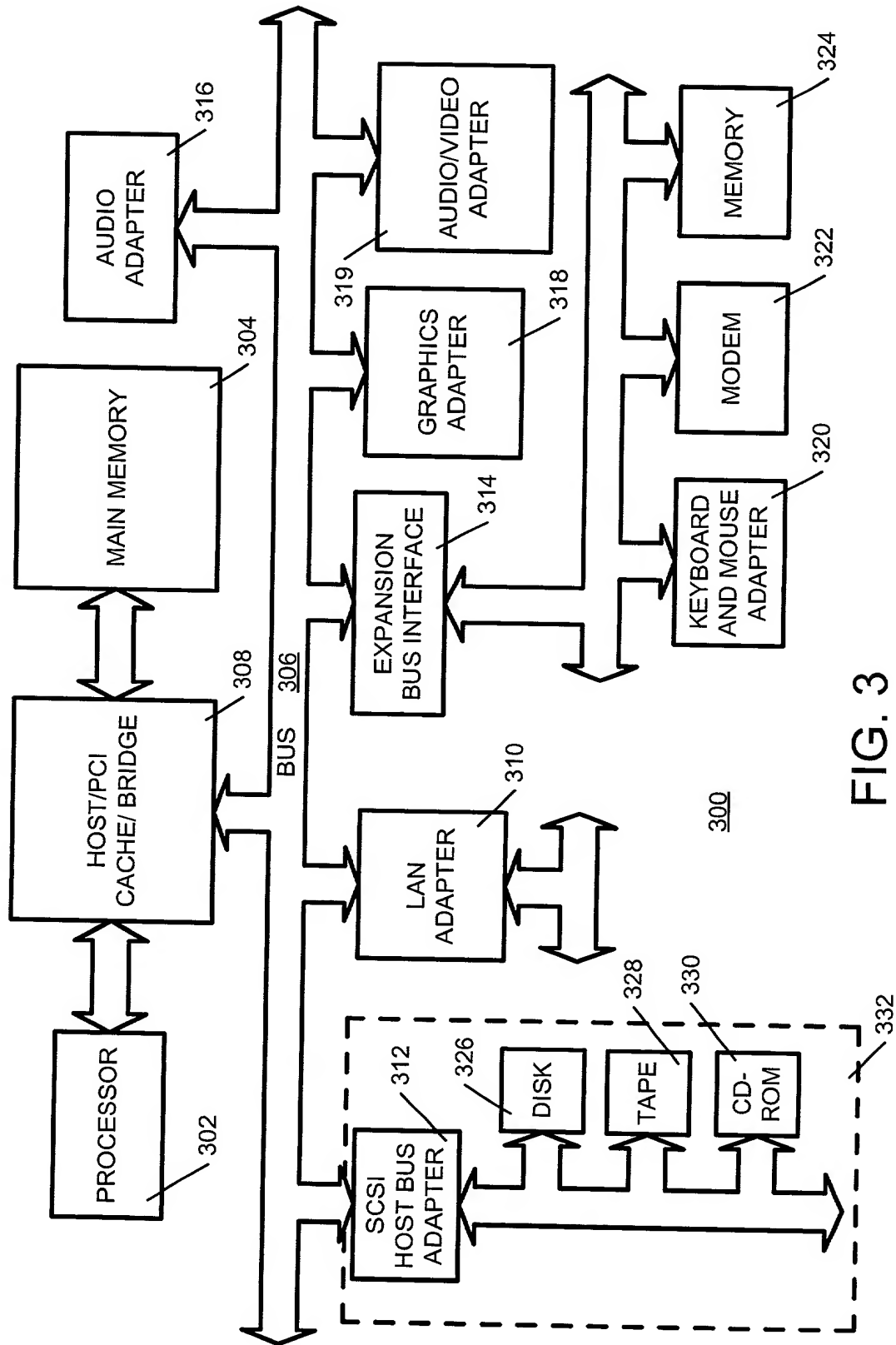


FIG. 3

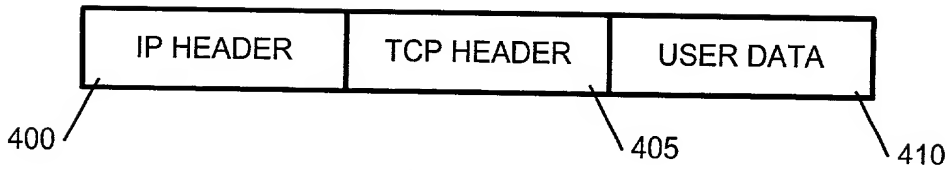


FIG. 4

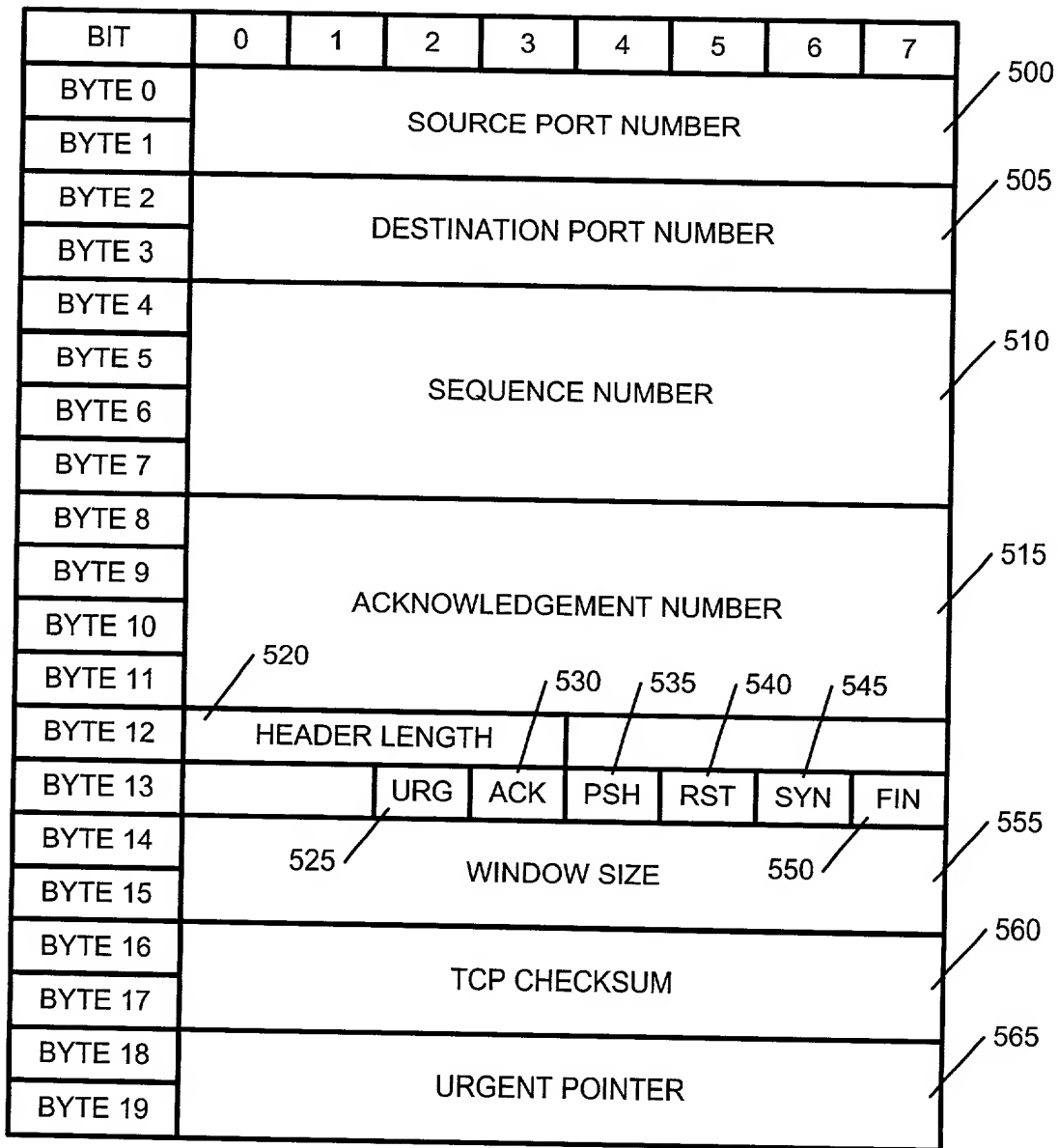


FIG. 5

```
<?XML VERSION="1.0"?>
<COMPANY NAME="INFORMATION STRATEGIES">
  <EMPLOYEES>
    <EMPLOYEE ID="1">HANK AARON</EMPLOYEE>
    <EMPLOYEE ID="2">BABE RUTH</EMPLOYEE>
  </EMPLOYEES>
</COMPANY>
```

FIG. 6

```
<EMPLOYEE ID="3">MICKEY MANTLE</EMPLOYEE>
<EMPLOYEE ID="4">TY COBB</EMPLOYEE>
```

FIG. 7

```
<?XML VERSION="1.0"?>
  <IP_HEADER>
    <TCP_HEADER>
      <TCP_CONNECTION>
        <SYN_SENT>SEQUENCE#</SYN_SENT>
        <SYN_RECEIVED>SEQUENCE#</SYN_RECEIVED>
        <ACK_RECEIVED>ACK#</ACK_RECEIVED>
        <ACK_SENT>ACK#</ACK_SENT>
      </TCP_CONNECTION>
    </TCP_HEADER>
  </IP_HEADER>
```

FIG. 8

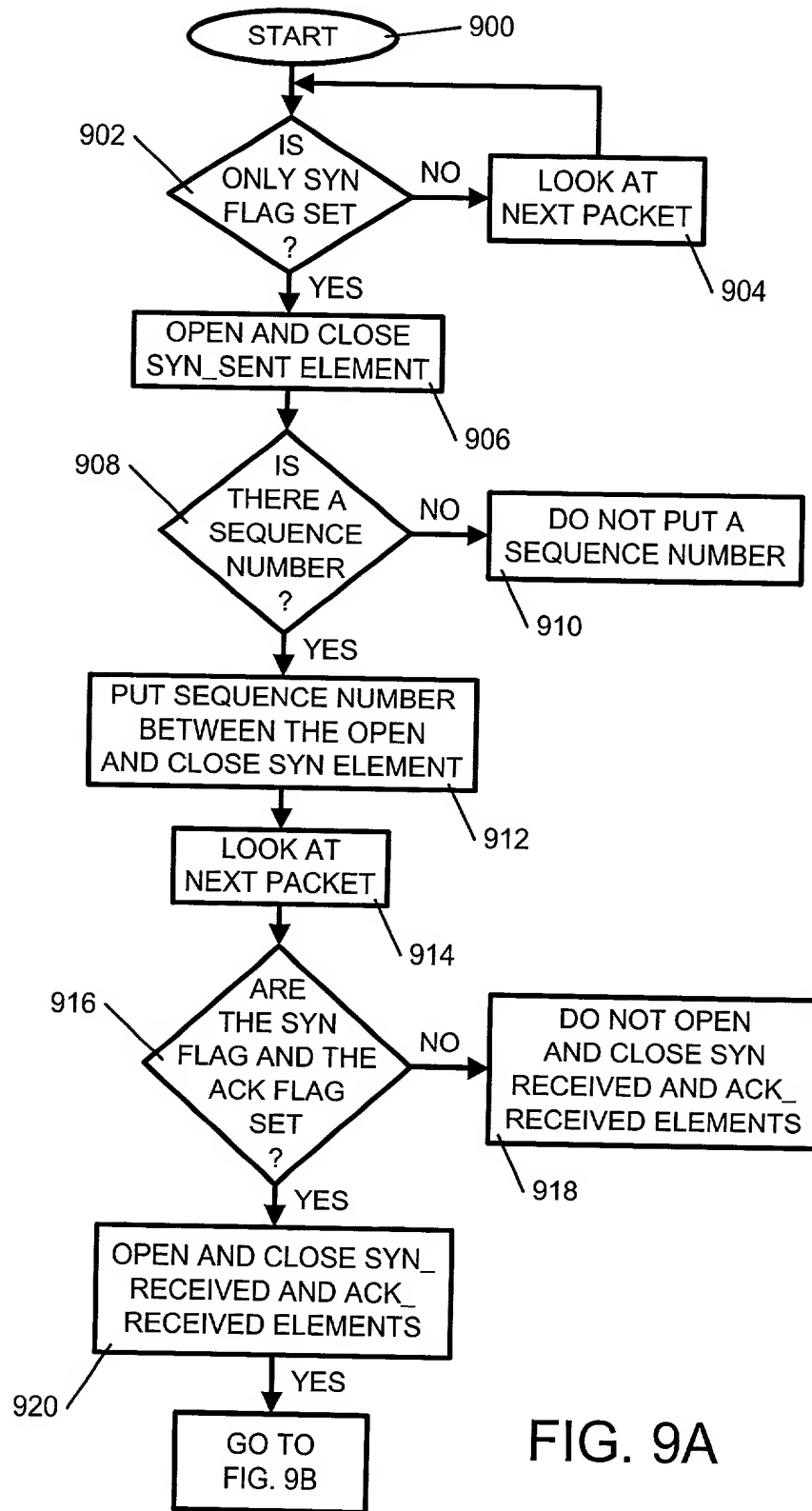


FIG. 9A

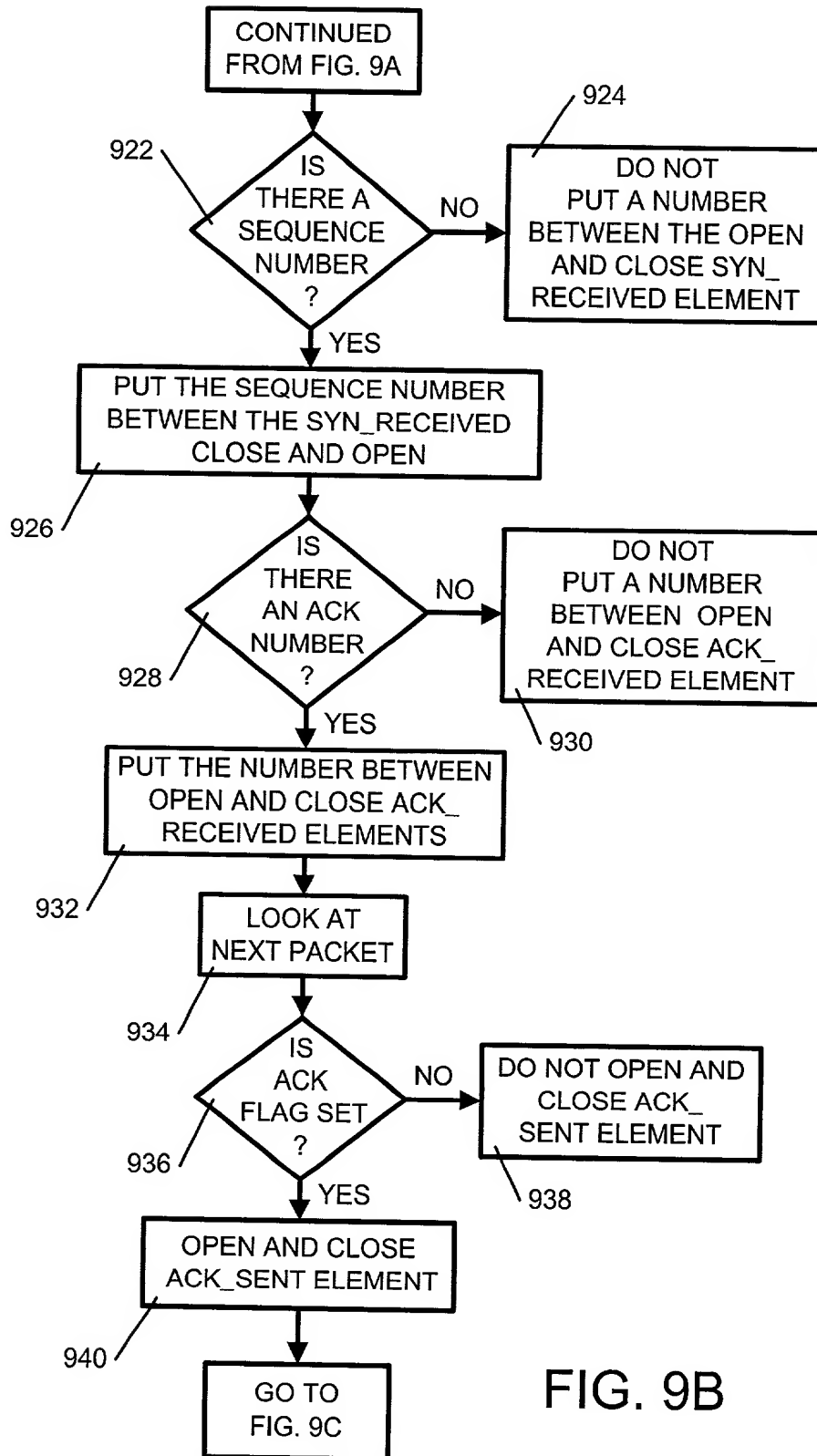


FIG. 9B

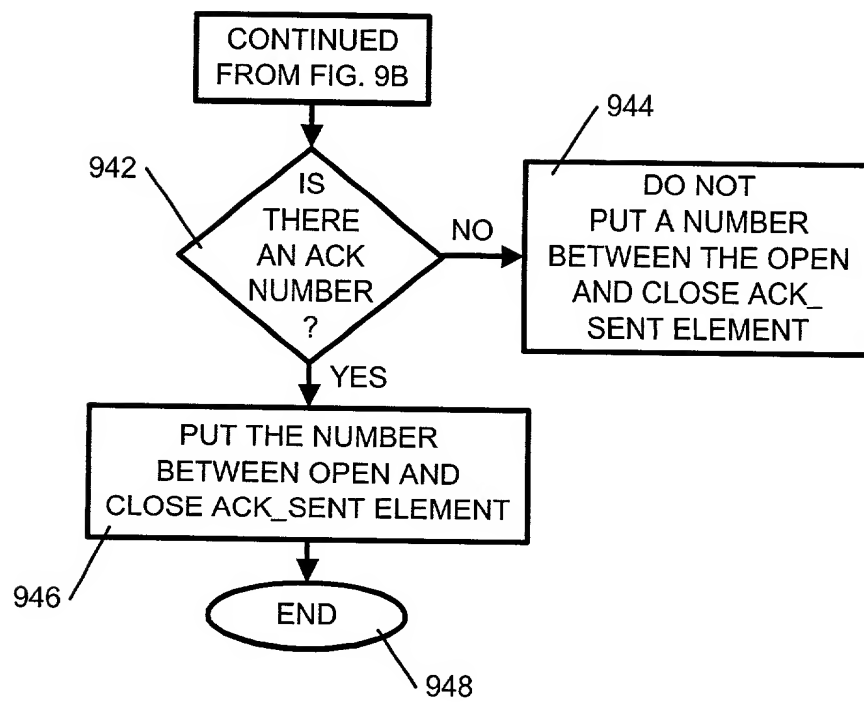
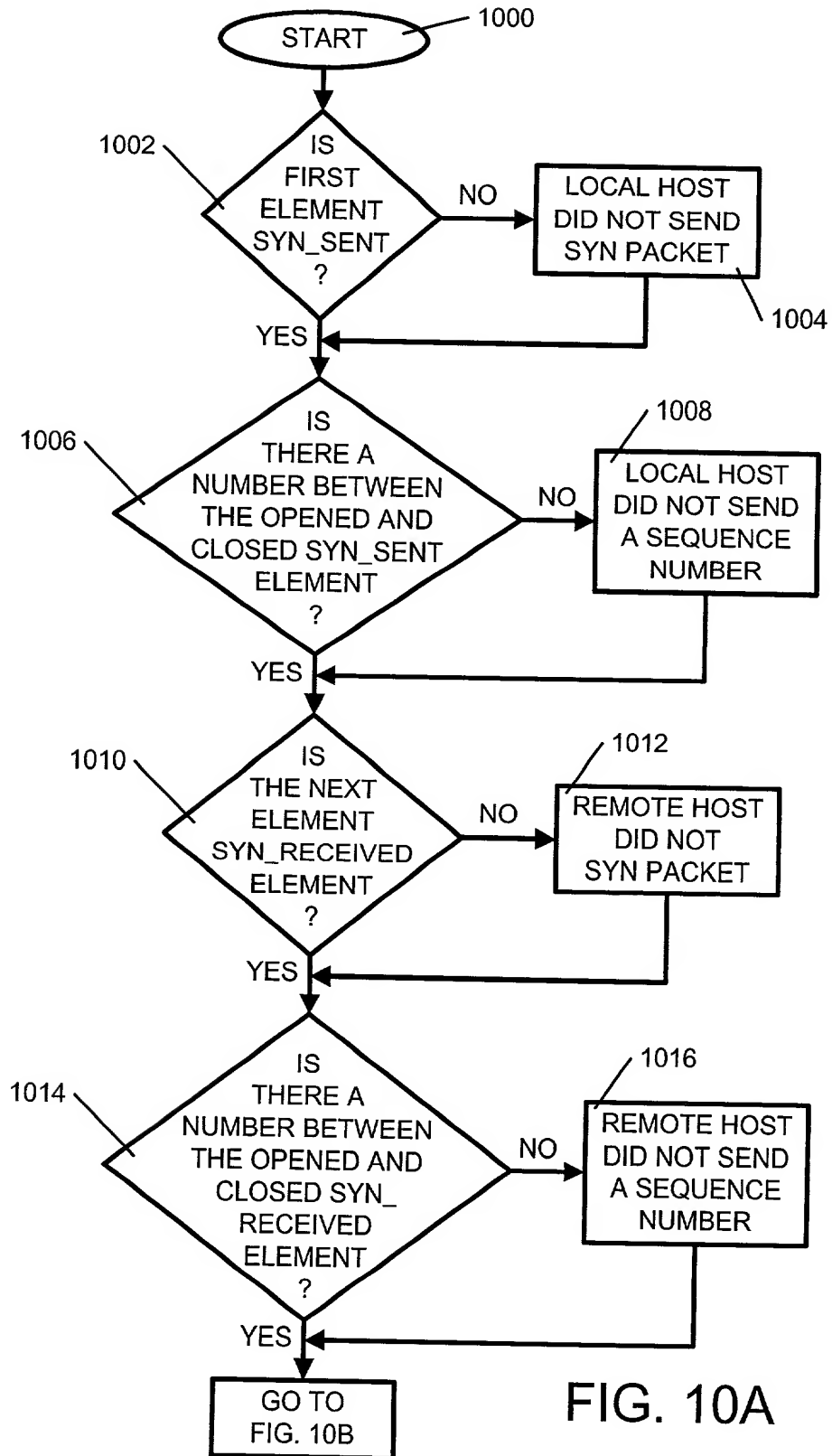
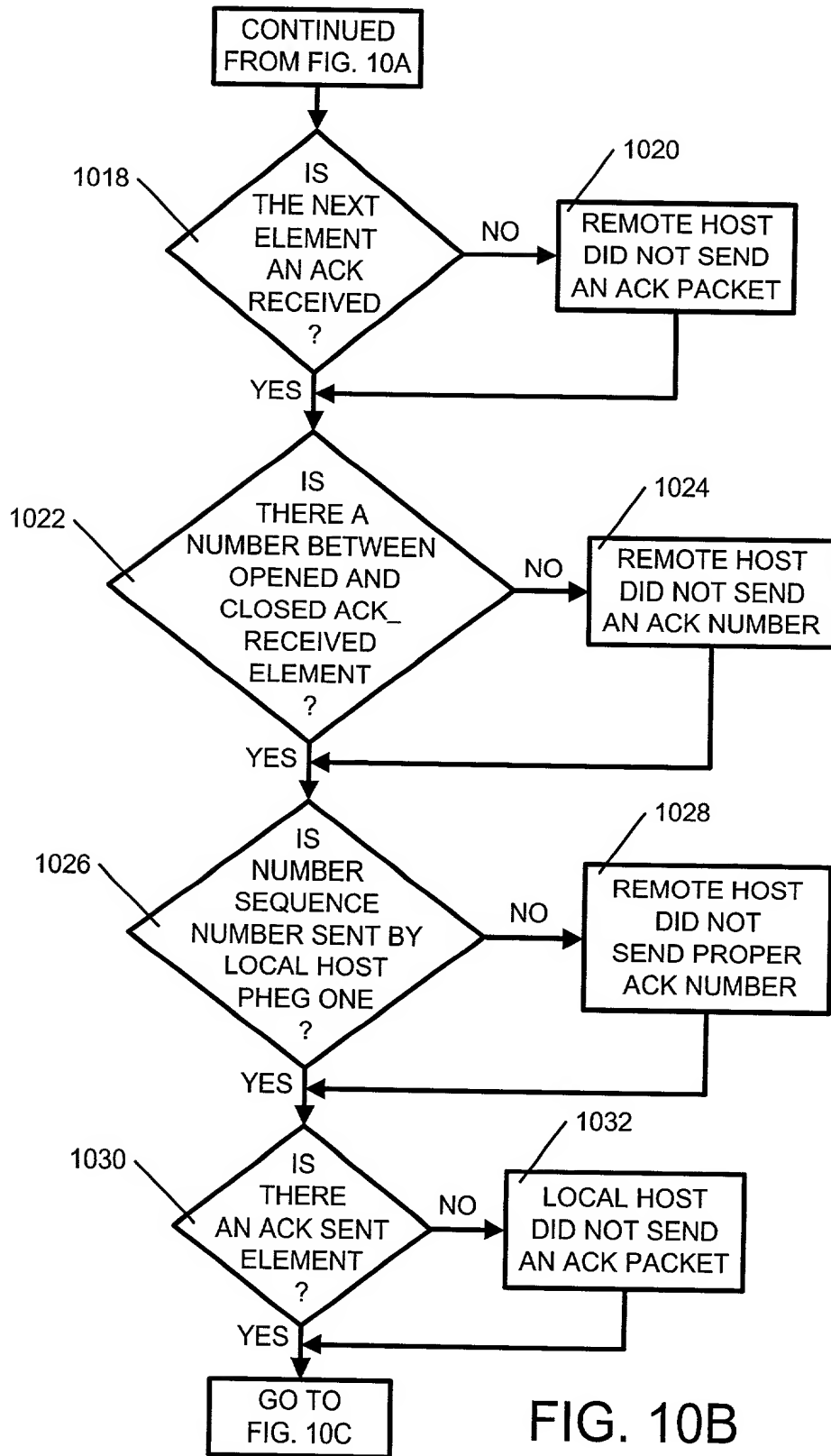


FIG. 9C





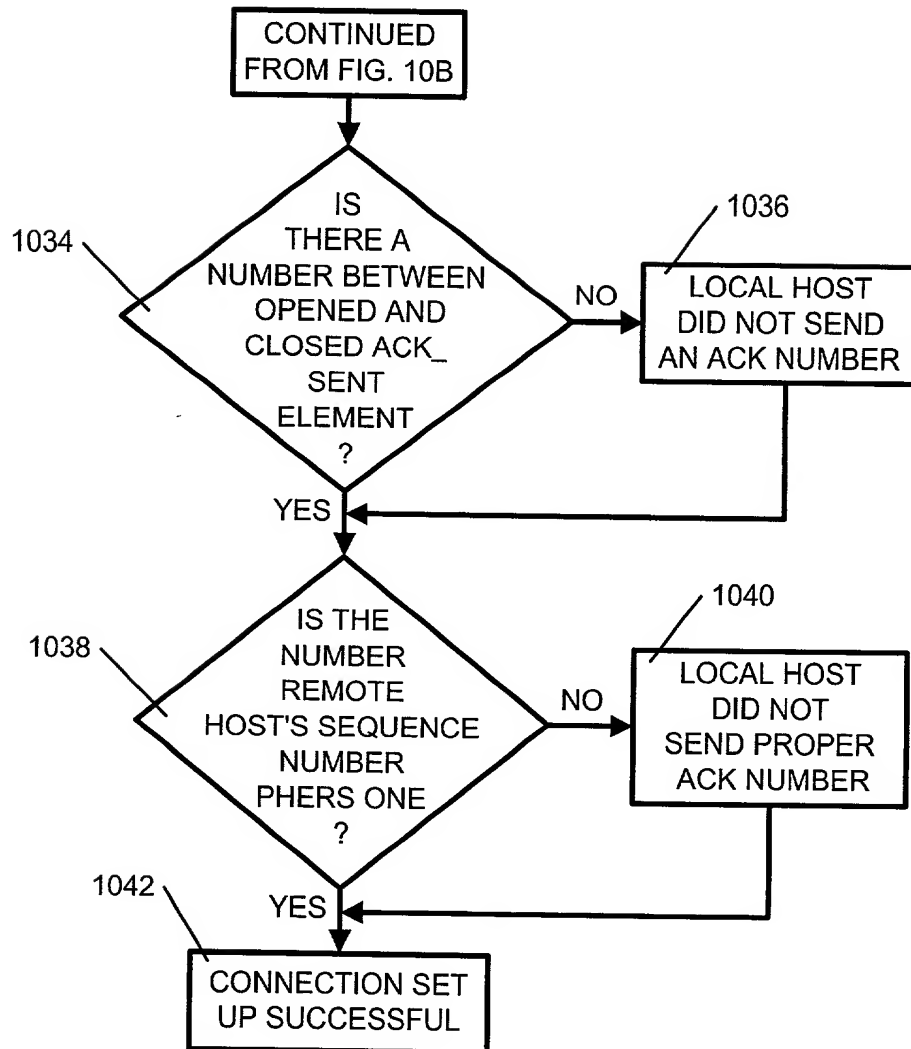


FIG. 10C

```
<?XML VERSION="1.0"?>
<XS:SCHEMA XMLNS:XS="HTTP://WWW.W3.ORG/2001/XMLSCHEMA">
  <XS:ELEMENT NAME="IP_HEADER">
    <XS:COMPLEXTYPE>
      <XS:SEQUENCE>
        <XS:ELEMENT NAME="TCP_HEADER">
          <XS:COMPLEXTYPE>
            <XS:SEQUENCE>
              <XS:ELEMENT NAME="TCP_CONNECTION">
                <XS:COMPLEXTYPE>
                  <XS:SEQUENCE>
                    <XS:ELEMENT REF="SYN_SENT" MINOCCURS="0" MAXOCCURS="1"/>
                    <XS:ELEMENT REF="SYN_RECEIVED" MINOCCURS="0"
                      MAXOCCURS="1"/>
                    <XS:ELEMENT REF="ACK_RECEIVED" MINOCCURS="0"
                      MAXOCCURS="UNBOUNDED"/>
                    <XS:ELEMENT REF="ACK_SENT" MINOCCURS="0" MAXOCCURS=
                      "UNBOUNDED"/>
                  </XS:SEQUENCE>
                </XS:COMPLEXTYPE>
              </XS:ELEMENT>
            </XS:SEQUENCE>
          </XS:COMPLEXTYPE>
        </XS:ELEMENT>
      </XS:SEQUENCE>
    </COMPLEXTYPE>
  </XS:ELEMENT>
</XS:SCHEMA>
```

FIG. 11

```
<?XML VERSION="1.0"?>
  <IP_HEADER>
    <TCP_HEADER>
      <TCP_CLOSE-CONNECTION
        <FIN_SENT>SEQUENCE#</FIN_SENT>
        <ACK_RECEIVED>ACK#</ACK_RECEIVED>
        <FIN_RECEIVED>SEQUENCE#</FIN_RECEIVED>
        <ACK_SENT>ACK#</ACK_SENT>
      </TCP_CLOSE-CONNECTION>
    </TCP_HEADER>
  </IP_HEADER>
```

FIG. 12

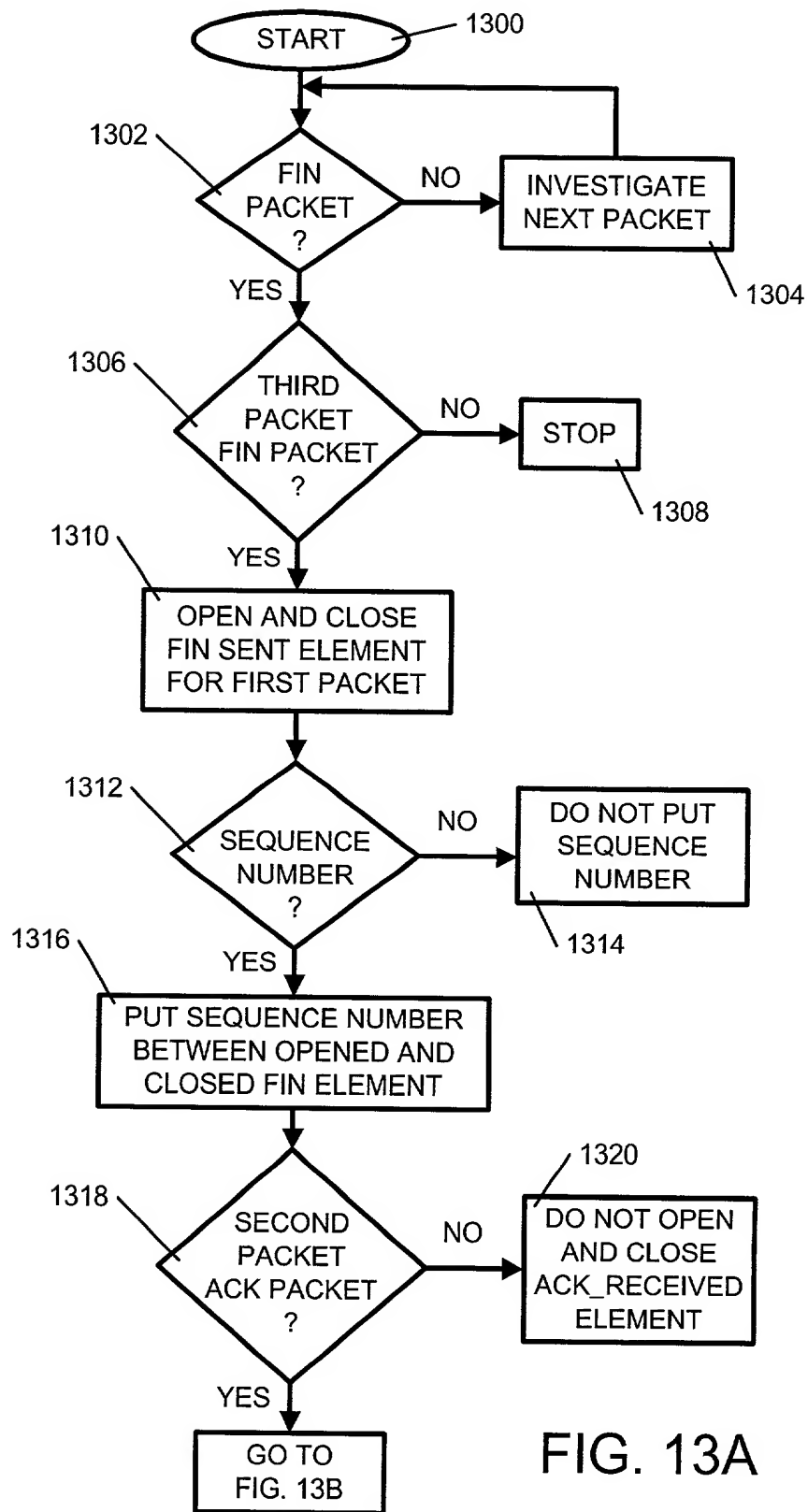
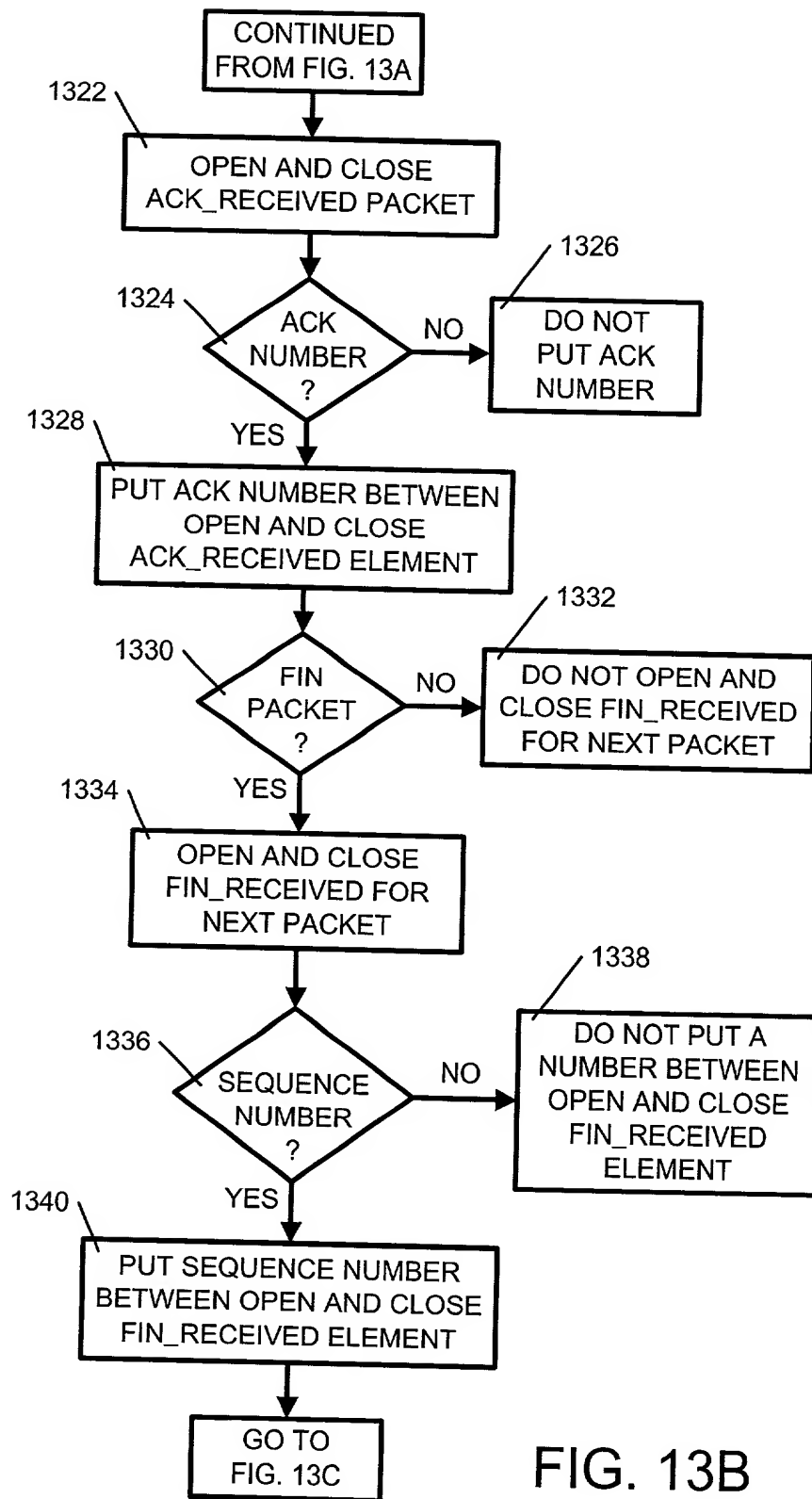


FIG. 13A



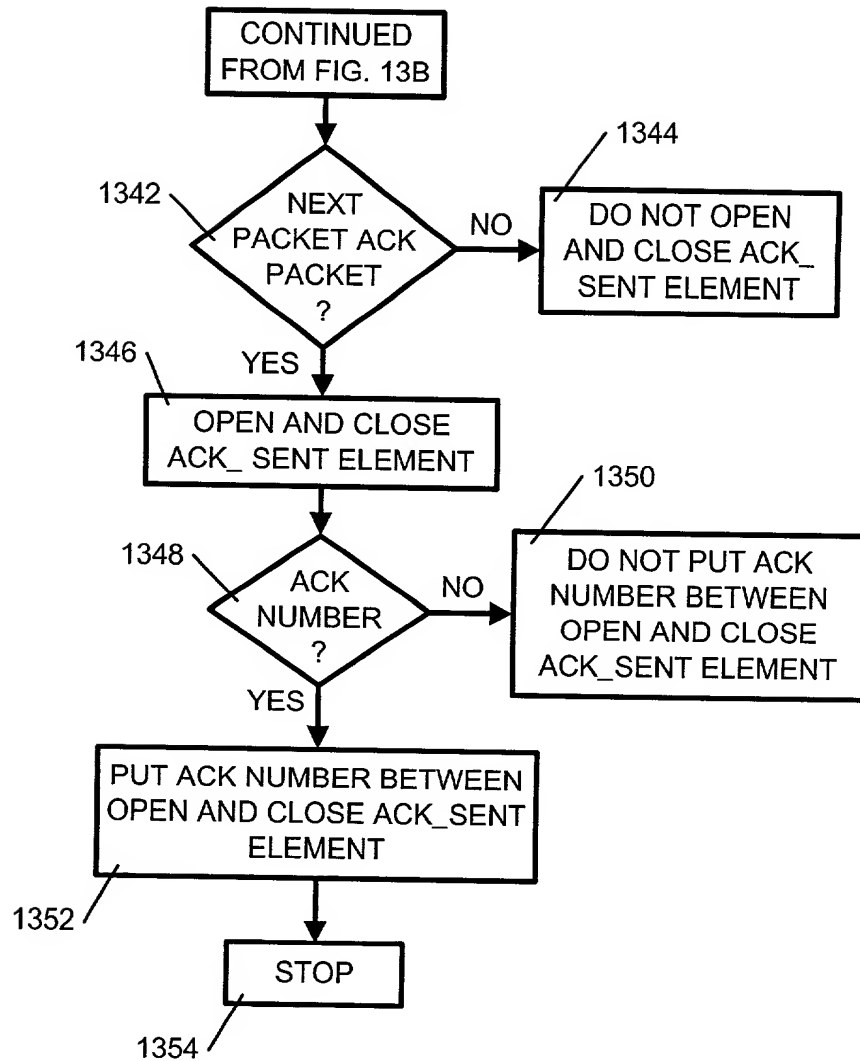


FIG. 13C

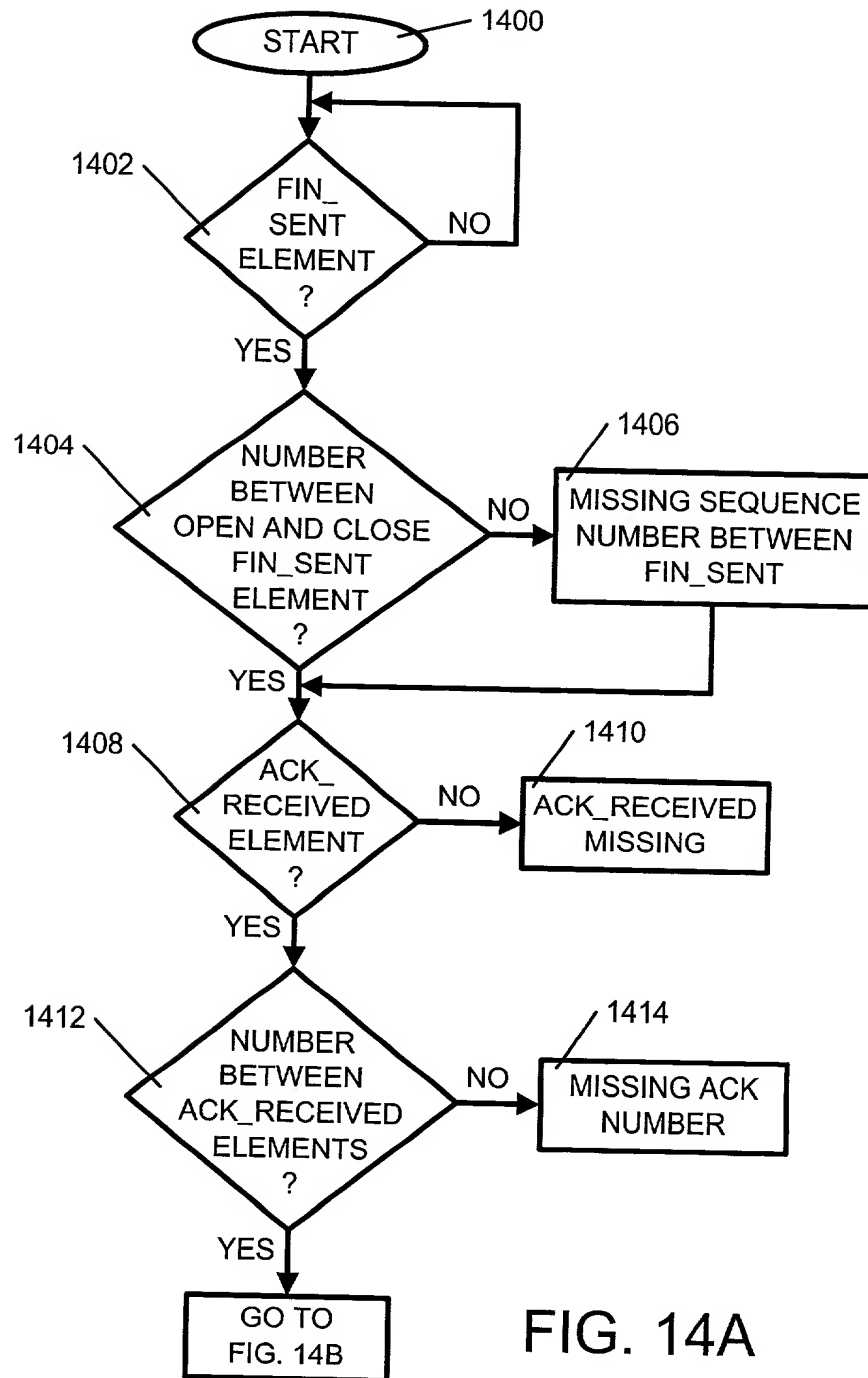
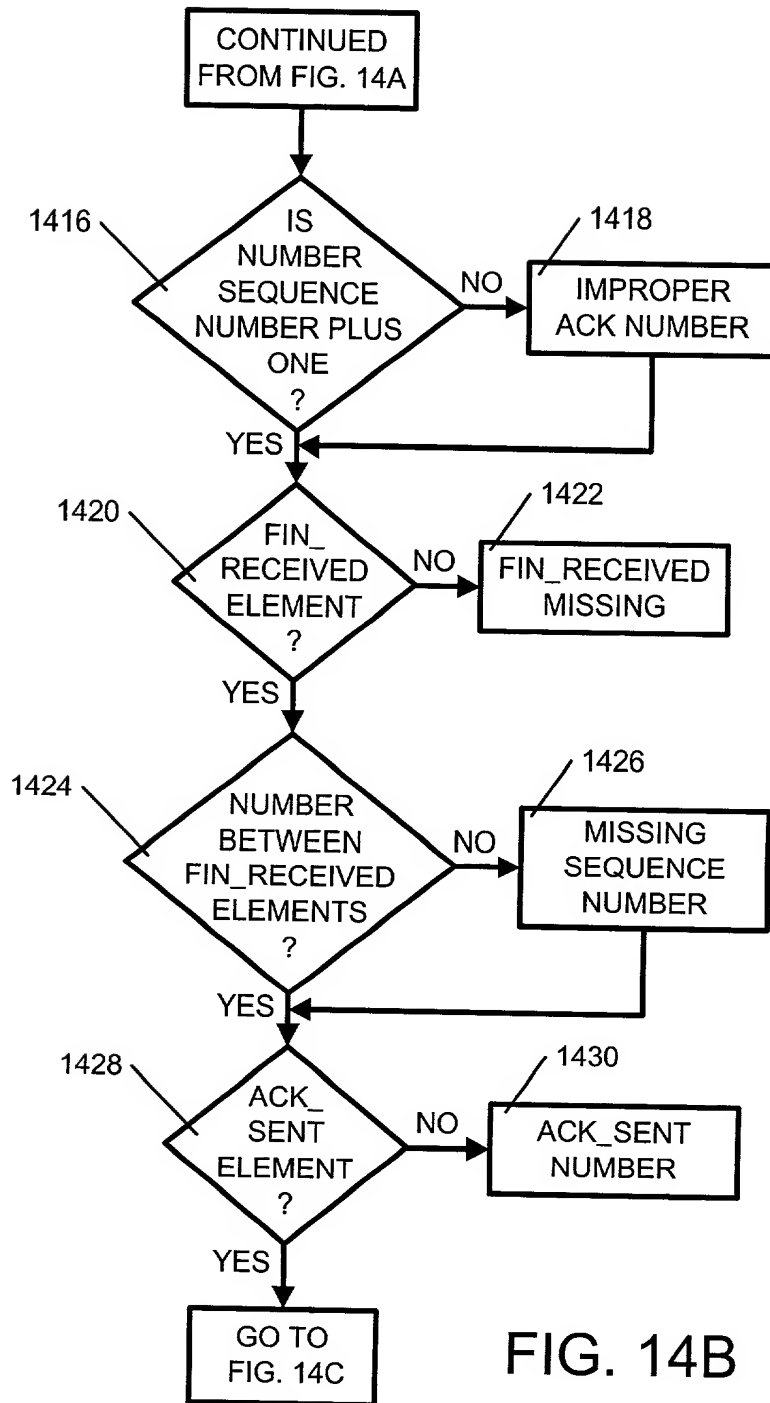


FIG. 14A



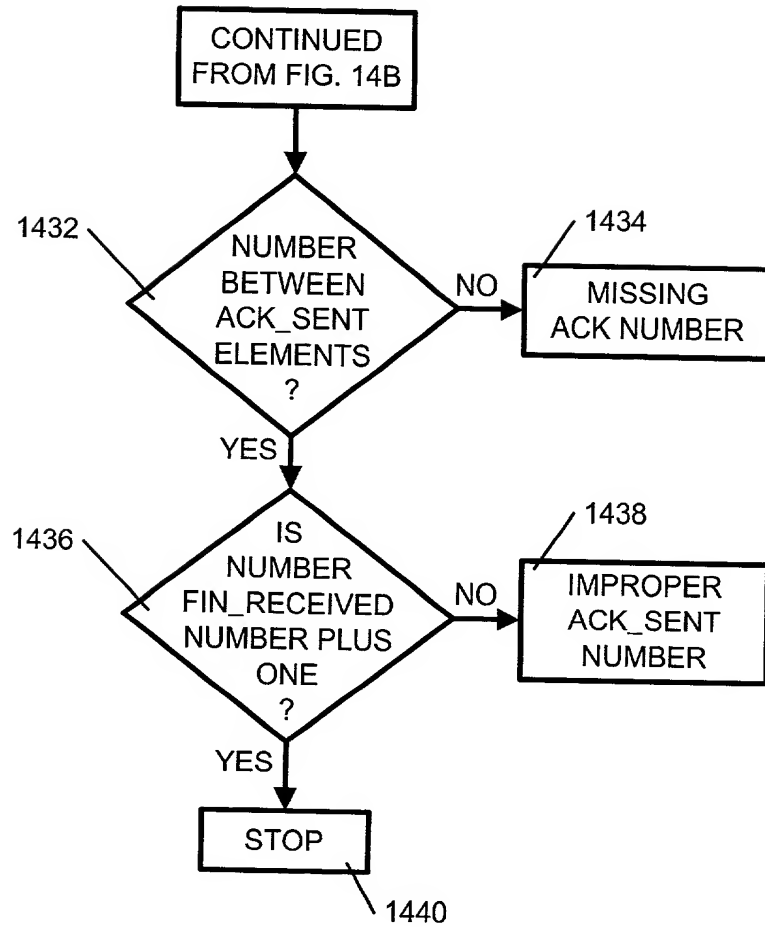


FIG. 14C

```
<?XML VERSION="1.0"?>
<XS:SCHEMA XMLNS:XS="HTTP://WWW.W3.ORG/2001/XMLSCHEMA">
  <XS:ELEMENT NAME="IP_HEADER">
    <XS:COMPLEXTYPE>
      <XS:SEQUENCE>
        <XS:ELEMENT NAME="TCP_HEADER">
          <XS:COMPLEXTYPE>
            <XS:SEQUENCE>
              <XS:ELEMENT NAME="TCP_CLOSE-CONNECTION">
                <XS:COMPLEXTYPE>
                  <XS:SEQUENCE>
                    <XS:ELEMENT REF="FIN_SENT" MINOCCURS="0"
                      MAXOCCURS="UNBOUNDED"/>
                    <XS:ELEMENT REF="ACK_RECEIVED" MINOCCURS="0"
                      MAXOCCURS="UNBOUNDED"/>
                    <XS:ELEMENT REF="FIN_RECEIVED" MINOCCURS="0"
                      MAXOCCURS="UNBOUNDED"/>
                    <XS:ELEMENT REF="ACK_SENT" MINOCCURS="0" MAXOCCURS="
                      UNBOUNDED"/>
                  </XS:SEQUENCE>
                </XS:COMPLEXTYPE>
              </XS:ELEMENT>
            </XS:SEQUENCE>
          </XS:COMPLEXTYPE>
        </XS:ELEMENT>
      </XS:SEQUENCE>
    </XS:COMPLEXTYPE>
  </XS:ELEMENT>
</XS:SCHEMA>
```

FIG. 15

GIL.1023>DEVO.LOGIN:S 768512(0) WIN 4096 <MSS 1024>
DEVO.LOGIN>GIL.1023:S 947648:947648(0) ACK 768513 WIN 4096 <MSS 1024>
GIL.1023>DEVO.LOGIN: .ACK 1 WIN 4096

FIG. 16

<?XML VERSION="1.0"?>
<IP_HEADER>
 <TCP_HEADER APP="RLOGIN" SPORT="1023" SHOST="GIL" RPORT="LOGIN"
 RHOST="DEVO">
 <TCP_CONNECTION>
 <SYN_SENT WIN="4096" MSS="1024">768512:768512(0) </SYN_SENT>
 <SYN_RECEIVED WIN="4096" MSS="1024">947648:947648(0)
 </SYN_RECEIVED>
 <ACK_RECEIVED WIN="4096" MSS="1024">768513
 </ACK_RECEIVED>
 <ACK_SENT WIN="4096" RELATIVESEQ="YES">1
 </ACK_SENT>
 </TCP_CONNECTION>
 </TCP_HEADER>
</IP_HEADER>

FIG. 17

<CONNECTION_ESTABLISH>
 <PARAMETER_NEGOTIATION>
 <DATA_EXCHANGE>
 ...
 <WINDUP_OPERATIONS>
<CONNECTION_CLOSE>

FIG. 18

```
<?XML VERSION="1.0"?>
<IP_HEADER>
  <TCP_HEADER >
    <SYN_RECEIVED>SEQUENCE# </SYN_RECEIVED>
    <SYN_SENT>SEQUENCE#</SYN_SENT>
    <ACK_RECEIVED>ACK#</ACK RECEIVED>
    <ACK__SENT>ACK#</ACK_SENT>
  </TCP_HEADER>
</IP_HEADER>
```

FIG. 19

```
<?XML VERSION="1.0"?>
<IP_HEADER>
  <TCP_HEADER >
    <SYN_RECEIVED>SEQUENCE# </SYN_RECEIVED>
    <ACK_RECEIVED>ACK#</ACK RECEIVED>
    <ACK__SENT>ACK#</ACK_SENT>
  </TCP_HEADER>
</IP_HEADER>
```

FIG. 20